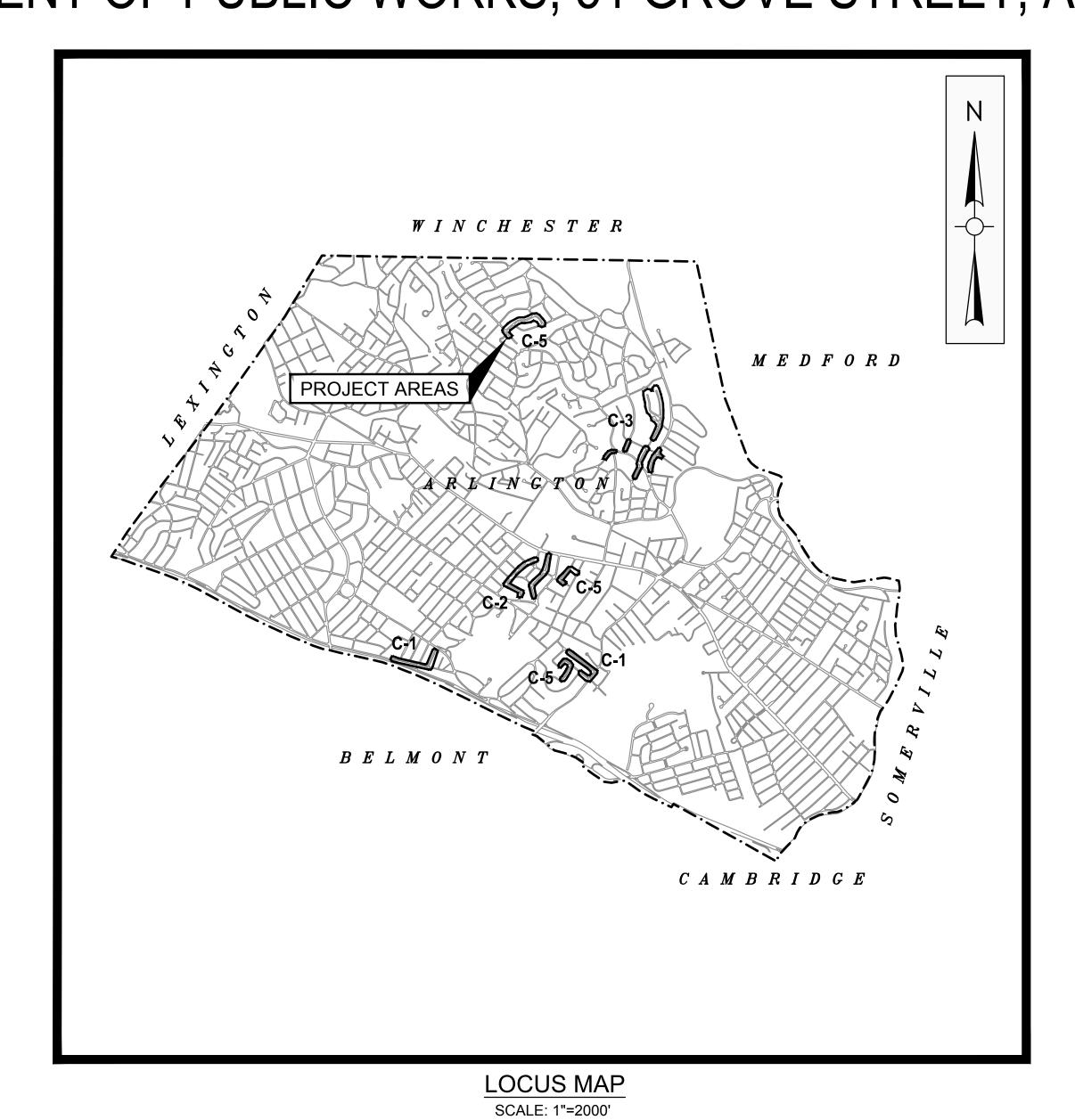
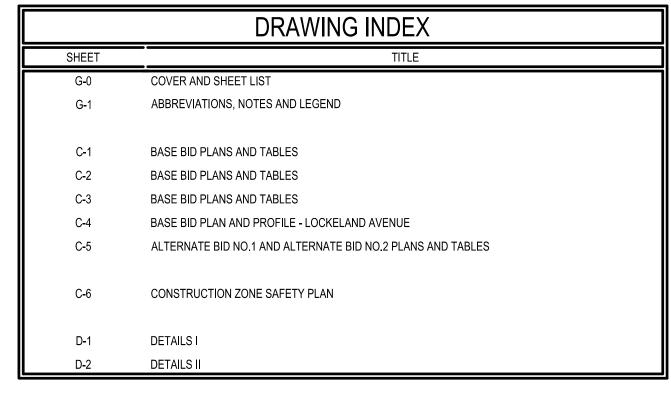
TOWN OF ARLINGTON, MASSACHUSETTS

PHASE #14 SANITARY SEWER REHABILITATIONS DEPARTMENT OF PUBLIC WORKS, 51 GROVE STREET, ARLINGTON, MASSACHUSETTS 02476









BID INVITATION #22-34

MWRA I/I LOCAL FINANCIAL ASSISTANCE PROGRAM PROJECT No. WRA-P11-01-3-1186

MICHAEL W. RADEMACHER DIRECTOR OF PUBLIC WORKS

JULY 2022



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W&S FILE NO.: 249-10

PLANS FOR PUBLIC BID AND CONSTRUCTION

OING, MA | BOSTON, MA | FOXBOROUGH, MA | WORCESTER, MA | WILMINGTON, MA | CATAUMET, MA | CHATHAM, MA | SOUTH YARMOUTH, MA | PORTSMOUTH, NH | MANCHESTER, NH | WATERBURY, VT | ROCKY HILL, CT | ALBANY, NY | HOPEWELL JUNCTION, NY | CHARLESTON, SC | COLUMBIA, SC | FORT MYERS, FL

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
SANITARY SEWER	s	—8"S PVC—
WATER MAIN	w	6"W DI
STORM DRAIN	D	— 18"D RC —
GAS	G	4"G
ELECTRIC	—— Е ——	—Е—
TELEPHONE	— т —	—т—
HOUSE CONNECTION		6" HOUSE CONN (TYP)
SANITARY SEWER MANHOLE	\$	● SMH
STORM DRAIN MANHOLE	0	● DMH
ELECTRICAL MANHOLE	0	● EMH
TELEPHONE MANHOLE	0	● TMH
CLEANOUT	0	• CO
CATCH BASIN		■ CB
HYDRANT	Ç	+
GATE VALVE	wv 	×
CHECK VALVE	171	
CURB STOP	\ \$0	►
BUTTERFLY VALVE		M
CAP OR PLUG		
GAS GATE VALVE	GV	
UTILITY POLE	<u>N</u>	•
GUY POLE		
LIGHT POST	\$	
EDGE OF PAVEMENT	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
CURB		
SIDEWALK		
STONE WALL	0000000	
RETAINING WALL	RET WALL	RET WALL
FENCE	——X——X——	XX
INDIVIDUAL DECIDUOUS TREE		Φ
INDIVIDUAL EVERGREEN TREE	*	*
TREE LINE		~~~~
SURVEY MARKER	(. (
PROPERTY LINE		
EASEMENT LINE		
LIMIT OF WORK	0 0	
SPOT ELEVATIONS	× 141.5	x ^{141.5}
HOUSE NUMBER	#35	
FLOOR ELEVATION	FL=56.7	
SILL ELEVATION	S=56.7	
WETLAND		
WETLAND FLAGS		1 2
GUARD POST	\triangle	_ - · · · • -
BOLLARD	O B	— B
SIGN		
	-0	
BENCH MARK	P 1	
TEST PIT	₽ 1	⊞ TP−1 ⊕ WS−1
GROUNDWATER MONITORING WELL	⊕ WS-1	
HAY BALES		••••
ROCK OUTCROP		

REHABILITATION	LEGEND	
DESCRIPTION	EXISTING	PROPOSED
DIRECTION OF FLOW		
THE "S" AT THE END OF MANHOLE NUMBERS INDICATES SEWER AND THE "D" INDICATES DR NOT BEEN INCLUDED IN THE WORK TABLES FO	AIN. THE DESIGN	

ABBREVIATIONS

<u>ABBK</u>	<u>EVIATIONS</u>
AC	ASBESTOS CEMENT PIPE
ALT. 1	ALTERNATE BID NO. 1
ALT. 2	ALTERNATE BID NO. 2
ASTM BASE	AMERICAN SOCIETY FOR TESTING AND MATERIALS BASE BID
BC	BITUMINOUS CONCRETE
BIT	BITUMINOUS
BLDG	BUILDING
BM CATV	BENCH MARK CABLE TELEVISION
CB	CATCH BASIN
CC	CONCRETE CURB
CI	CAST IRON
Q CMB	CENTERLINE NETAL DIDE
CMP CONC	CORRUGATED METAL PIPE CONCRETE
CU FT	CUBIC FEET
CY	CUBIC YARD
D	STORM DRAIN, DEPTH FROM RIM TO INVERT
DI DIA	DROP INLET, DUCTILE IRON DIAMETER
DMH	DRAIN MANHOLE
DWG	DRAWING
E	EAST, ELECTRIC
EA	EACH ELEVATION
ELEV EOP	ELEVATION EDGE OF PAVEMENT
EXIST	EXISTING
FT	FEET, FOOT
G	NATURAL GAS
GC	GRANITE CURB
HC	HOUSE CONNECTION
HORIZ HP	HORIZONTAL HIGH PRESSURE
HYD	FIRE HYDRANT
1	INVERT
INV	INVERT
ID LB	INSIDE DIAMETER POUND
LF	LINEAR FEET
LS	LUMP SUM
MAX	MAXIMUM
MB MH	MAIL BOX MANHOLE
MassDOT	MASSACHUSETTS DEPARTMENT OF TRANSPORTAION
MIN	MINIMUM
MISC	MISCELLANEOUS
MWRA N	MASSACHUSETTS WATER RESOURCES AUTHORITY NORTH
NE NE	NORTH EAST
NW	NORTH WEST
NO OR #	NUMBER
NTS OD	NOT TO SCALE OUTSIDE DIAMETER
P_	PROPERTY LINE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
RC	REINFORCED CONCRETE PIPE
RCP ROW	REINFORCED CONCRETE PIPE RIGHT-OF-WAY
S	SEWER, SOUTH
SE	SOUTH EAST
SF	SQUARE FEET
SLH SMH	SEWER LAMPHOLE SEWER MANHOLE
SPEC	SPECIFICATIONS
SQ FT	SQUARE FEET
SS	SEWER SERVICE, STAINLESS STEEL
STA STL	STATION STEEL
SW	SIDEWALK, SOUTH WEST
Т	HYDROSTATIC THRUST, TELEPHONE
TBM	TEMPORARY BENCH MARK
THK TYP	THICK (NESS) TYPICAL
UP	UTILITY POLE
VC	VITRIFIED CLAY
VERT VF	VERTICAL VERTICAL FEET

VERTICAL FEET

WATER, WEST

WITHOUT

CONSTRUCTION NOTES:

- 1. THE CONTRACTOR SHALL CALL DIGSAFE AT 1-888-344-7233 AT LEAST 72 HOURS, SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED, PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE DIGSAFE PROJECT REFERENCE NUMBER(S) SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION. THE TOWN OF ARLINGTON IS NOT A MEMBER OF DIGSAFE. CONTRACTOR SHALL NOTIFY TOWN OF ARLINGTON WATER AND SEWER DIVISION AT 781-316-3310 FOR MARK-OUT OF TOWN SEWER. WATER AND DRAINAGE INFRASTRUCTURE. MWRA IS NOT A MEMBER OF DIGSAFE. CONTRACTOR SHALL NOTIFY KEVIN MCKENNA AT 617-305-5956 FOR MARK-OUT OF MWRA INFRASTRUCTURE.
- 2. LOCATIONS OF EXISTING PIPES, CONDUITS, UTILITIES, FOUNDATIONS AND OTHER UNDERGROUND OBJECTS ARE NOT WARRANTED TO BE CORRECT AND THE CONTRACTOR SHALL HAVE NO CLAIM ON THAT ACCOUNT SHOULD THEY BE OTHER THAN SHOWN.
- 3. ALL UTILITY CONFLICT NOTES ARE APPROXIMATE AND MAY NOT INCLUDE ALL POTENTIAL CONFLICTS. THESE NOTES DO NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO LOCATE ALL UTILITIES PRIOR TO BEGINNING THE WORK.
- 4. TEST PITS TO LOCATE EXISTING UTILITIES MAY BE ORDERED BY THE ENGINEER.
- 5. STONE WALLS, FENCES, MAIL BOXES, SIGNS, CURBS, LIGHT POLES, ETC. SHALL BE REMOVED AND REPLACED AS NECESSARY TO PERFORM THE WORK. UNLESS OTHERWISE INDICATED, ALL SUCH WORK SHALL BE INCIDENTAL TO CONSTRUCTION OF THE PROJECT.
- 6. ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND PAYMENT LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.
- 7. ALL PAVEMENT DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS.
- 8. THE CONTRACTOR SHALL NOT STORE ANY APPARATUS, MATERIALS, SUPPLIES, OR EQUIPMENT ON DRAINAGE STRUCTURES OR WITHIN 100 FEET OF WETLANDS, 50 FEET OF INTERSECTIONS OR 10 FEET OF DRIVEWAYS.
- 9. SEWER TRENCHES MAY BE EXCAVATED WIDER THAN THE 'LIMIT OF EXCAVATION AND PAYMENT FOR EARTH EXCAVATION' ABOVE THE 'LINE OF NARROW TRENCH LIMIT.' ANY SUCH ADDITIONAL EXCAVATION SHALL BE AT THE CONTRACTORS EXPENSE AND SHALL NOT BE MEASURED FOR PAYMENT.
- 10. BELOW THE 'LINE OF NARROW TRENCH LIMIT' THE TRENCH SHOULD NOT BE EXCAVATED BEYOND THE TRENCH WIDTH 'W'. IF MATERIAL IS LOOSENED OR REMOVED BEYOND THE ABOVE MENTIONED LIMITS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE CRUSHED STONE FOR THE FULL WIDTH OF THE TRENCH AT NO ADDITIONAL COST TO THE OWNER.
- 11. OPENINGS FOR PIPE IN PRECAST MANHOLE BASES SHALL BE CAST IN THE REQUIRED LOCATIONS DURING MANHOLE MANUFACTURE. FIELD CUT OPENINGS WILL NOT BE PERMITTED UNLESS APPROVED BY THE ENGINEER.
- 12. CONTRACTOR SHALL MAINTAIN EXISTING FLOWS IN THE SYSTEM, BYPASSING AS NECESSARY TO PREVENT SURCHARGING, AS APPROVED OR REQUIRED BY THE ENGINEER.
- 13. NO PAYMENT SHALL BE MADE FOR ADDITIONAL PIPE CLEANING. CONTRACTOR MUST REFER TO TELEVISION INSPECTION LOGS TO DETERMINE EXTENT OF CLEANING REQUIRED.
- 14. FORM BRICK INVERTS IN MANHOLES WITH BRICK ON EDGE TO A DEPTH OF 0.8 INSIDE DIAMETER OF PIPE AND FORM A 1 INCH SLOPED BENCH WITH BRICK FLAT. INVERT SHALL BE SLOPED UNIFORMLY BETWEEN INLET AND OUTLET PIPE AND SHALL BE FORMED AND FILLED AS REQUIRED TO DIRECT THE FLOW AS INDICATED AND TO PREVENT DEPOSITION OF SOLIDS.
- 15. IN PAVED AREAS THE TOP OF THE MANHOLE COVER SHALL BE SET FLUSH WITH THE PAVED SURFACE. IN OTHER AREAS THE TOP OF THE COVER SHALL BE SET AS SHOWN ON THE DRAWINGS. OR AS REQUIRED BY THE ENGINEER.
- 16. ALL STREET EXCAVATIONS SHALL BE COMPLETELY CLOSED AT THE END OF EACH WORKING DAY BY BACKFILLING OR COVERING WITH STEEL PLATES.
- 17. CONTRACTOR SHALL REPLACE ALL ACTIVE SEWER SERVICES ENCOUNTERED
- 18. CONTRACTOR SHALL TELEVISE ALL SEWER SERVICES ENCOUNTERED DURING EXCAVATION FROM THE PROPERTY LINE TO THE BUILDING PRIOR TO REINSTATING LATERAL CONNECTIONS. RECORDING SHALL BE PROVIDED AT TIME OF THE INSPECTION.

DURING EXCAVATION TO THE PROPERTY LINE UNLESS OTHERWISE INDICATED.

- 19. ALL SIDEWALKS SHALL BE MAINTAINED FREE OF DEBRIS AND BLOCKAGES OR SHALL BE BARRICADED AND SUITABLE SAFETY BARRIERS INSTALLED.
- 20. CONTRACTOR SHALL PRODUCE AND DISTRIBUTE DOOR-TO-DOOR ABUTTER NOTIFICATION LETTERS AT LEAST TWO (2) WORKING DAYS PRIOR TO ALL NIGHT WORK (IF REQUESTED). NOTIFICATION LANGUAGE SHALL BE APPROVED BY THE OWNER PRIOR TO DISTRIBUTION.
- 21. CONTRACTOR SHALL PRODUCE AND DISTRIBUTE DOOR-TO-DOOR NOTIFICATION LETTERS FOR ALL CURED-IN-PLACE PIPE INSTALLATIONS; ONE (1) WEEK PRIOR, ONE (1) DAY PRIOR, AND WHEN COMPLETED. NOTIFICATION LANGUAGE SHALL BE APPROVED BY THE OWNER PRIOR TO DISTRIBUTION.

GENERAL NOTES:

- 1. PLANS ILLUSTRATE APPROXIMATE LOCATIONS OF MANHOLES AND SEWERS. REFER TO THE TABLES ON EACH SHEET FOR THE APPROXIMATE LINEAR FEET OF SEWER BETWEEN MANHOLES AND THE APPROXIMATE STATION LOCATIONS OF REHABILITATIONS. SEE TELEVISION INSPECTION LOGS IN THE SPECIFICATIONS FOR MORE INFORMATION. ALL LOCATIONS SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.
- 2. SEE MANHOLE AND TELEVISION INVESTIGATION LOGS IN THE SPECIFICATIONS FOR MORE INFORMATION. MANHOLE DEPTHS AND DIAMETERS ARE APPROXIMATE.
- 3. CONTRACTOR SHALL NOTE THE DATES ON WHICH THE MANHOLE AND PIPELINE TELEVISION INSPECTIONS WERE COMPLETED. THE DATES ARE SHOWN ON EACH LOG INCLUDED IN THE SPECIFICATIONS.
- 4. IN SITUATIONS WHERE WORK IS LOCATED OFF A PUBLIC STREET, THE 'STREET / LOCATION' FIELD OF THE TABLE INDICATES THE CLOSEST STREET.
- 5. CONTRACTOR SHALL PROVIDE ALL PROJECT VIDEO FILES ON AN EXTERNAL HARD DRIVE AT THE CONCLUSION OF THE PROJECT AS DESCRIBED IN SPECIFICATION SECTION 01331 DOCUMENTATION.
- 6. CONTRACTOR SHALL NOT ALLOW SAND, SILT OR OTHER SITE RUNOFF TO ENTER CATCH BASINS. ANY DEBRIS ENTERING SYSTEM DURING CONSTRUCTION SHALL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER.
- MANHOLES AND LINE SEGMENTS WITH WORK TO BE PERFORMED ARE BOLDED ON THE PLANS. WHERE THERE IS A DISCREPANCY BETWEEN THE BOLDED MANHOLE/LINE SEGMENT AND THE WORK TABLES, THE WORK TABLES SHALL CONTROL.
- 8. WHERE THERE IS A DISCREPANCY BETWEEN THE SPECIFICATIONS AND THE WORK TABLES, THE WORK TABLES SHALL CONTROL.
- 9. CALCULATION OF PIPE SLOPES IS BASED ON ELEVATION CHANGES DIVIDED BY THE DISTANCE BETWEEN THE OUTSIDE EDGES OF THE MANHOLE WALLS. FOR FOUR FOOT DIAMETER MANHOLES, THIS DISTANCE WAS CALCULATED AS THE CENTERLINE STATIONING MINUS FIVE FEET. FOR FIVE FOOT WIDE MANHOLES. THIS DISTANCE WAS CALCULATED AS THE CENTERLINE STATIONING MINUS SIX FEET. "IN" INDICATES UPSTREAM END OF MANHOLE. "OUT" INDICATES DOWNSTREAM END OF MANHOLE.
- 10. WATER SERVICE CONNECTIONS AND GAS SERVICE CONNECTIONS HAVE NOT BEEN INCLUDED ON THE PLAN VIEWS OR PROFILE VIEWS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION OF WATER SERVICE CONNECTIONS AND GAS SERVICE CONNECTIONS AS NECESSARY TO PERFORM THE WORK.
- 11. THE SCOPE OF WORK OF THE BASE BID INCLUDES INSTALLATION OF APPROXIMATELY: 24 LINEAR FEET OF OPEN CUT POINT REPAIRS OF SANITARY SEWERS AT TWO (2) LOCATIONS (INCLUDING 20 LINEAR FEET OF BUILDING CONNECTIONS); REPLACEMENT OF ONE (1) SERVICE WYE WITH 25 LINEAR FEET OF BUILDING CONNECTIONS; INSTALLATION OF TWO (2) PRECAST CONCRETE SEWER MANHOLES; 2,887 LINEAR FEET OF ROOT TREATMENT; ROOT TREATMENT OF ONE (1) SEWER MANHOLE; 4,410 LINEAR FEET OF SEWER CLEANING AND INSPECTION: 4,843 LINEAR FEET OF CURED-IN-PLACE PIPE; GROUTING 101 SERVICE CONNECTIONS IN CURED-IN-PLACE PIPE; 508 LINEAR FEET OF STRUCTURAL CURED-IN-PLACE PIPE; GROUTING 12 SERVICE CONNECTIONS IN STRUCTURAL CURED-IN-PLACE PIPE; CUTTING OF FIVE (5) PROTRUDING SERVICE CONNECTIONS; EXTERIOR GROUTING AND INTERIOR SEALING OF 224 VERTICAL FEET OF SEWER MANHOLES; GROUTING AND PATCHING ONE (1) SEWER MANHOLE; BUILDING OF ONE (1) MANHOLE BENCH AND INVERT: REPLACEMENT OF ONE (1) MANHOLE FRAME AND COVER; 4,410 LINEAR FEET OF FLOW ISOLATION; 5,351 LINEAR FEET OF POST-CONSTRUCTION FLOW ISOLATION; AND OTHER RELATED TASKS IN THE TOWN OF ARLINGTON, MASSACHUSETTS.
- 12. THE SCOPE OF WORK FOR ALTERNATE BID NO. 1 INCLUDES APPROXIMATELY: 674 LINEAR FEET OF ROOT TREATMENT; 1,971 LINEAR FEET OF CURED-IN-PLACE PIPE: GROUTING 35 SERVICE CONNECTIONS IN CURED-IN-PLACE PIPE: EXTERIOR GROUTING AND INTERIOR SEALING OF 82 VERTICAL FEET OF SEWER MANHOLES; AND 1,971 LINEAR FEET OF POST-CONSTRUCTION FLOW ISOLATION; AND OTHER RELATED TASKS IN THE TOWN OF ARLINGTON, MASSACHUSETTS.
- 13. THE SCOPE OF WORK FOR ALTERNATE BID NO. 2 INCLUDES APPROXIMATELY: 106 LINEAR FEET OF ROOT TREATMENT: 620 LINEAR FEET OF CURED-IN-PLACE PIPE; GROUTING 10 SERVICE CONNECTIONS IN CURED-IN-PLACE PIPE; 155 LINEAR FEET OF STRUCTURAL CURED-IN-PLACE PIPE: CUTTING OF ONE (1) PROTRUDING SERVICE CONNECTION: EXTERIOR GROUTING AND INTERIOR SEALING OF 48 VERTICAL FEET OF SEWER MANHOLES: AND 775 LINEAR FEET OF POST-CONSTRUCTION FLOW ISOLATION: AND OTHER RELATED TASKS IN THE TOWN OF ARLINGTON, MASSACHUSETTS.
- 14. CONTRACTOR'S WORKING HOURS MAY BE RESTRICTED TO 9:00 AM THROUGH 2:30 PM ON MASSACHUSETTS AVENUE AND PLEASANT STREET.
- 15. THE CONTRACTOR SHALL HAVE A TV MOUNTED TO THE BACK OF THE CCTV TRUCK(S) SO THE ENGINEER CAN VIEW PIPELINE INSPECTIONS.
- 16. ASSESSORS INFORMATION REPRESENTED ON THESE DRAWINGS IS TAKEN FROM THE CITY/TOWN ASSESSOR'S PARCEL MAPS AND IS INCLUDED FOR ILLUSTRATIVE PURPOSE'S ONLY. ASSESSORS INFORMATION IS NOT INTENDED TO BE AN AUTHORITATIVE RECORD OF PROPERTY BOUNDARIES OR A SOURCE OF INFORMATION FOR AN ACTUAL SURVEY OR LEGAL DESCRIPTION OF THE PROPERTY. NO WORK HAS BEEN PERFORMED TO DETERMINE THE DEPICTED PROPERTY LINES AND THEREFORE, THESE DRAWINGS ARE NOT INTENDED BE USED TO DELINEATE ANY EXISTING OR PROPOSED STRUCTURES. FEATURES OR BOUNDARIES RELATIVE TO PROPERTY LINES. AUTHORITATIVE RECORDS OF PROPERTY LINES MAY BE LOCATED AT THE STATE OR MUNICIPAL AGENCY RESPONSIBLE FOR MAINTAINING PUBLIC RECORDS IN WHICH THE PARCEL IS LOCATED. LEGALLY AUTHORITATIVE MAPS OF PROPERTY LINES MAY ONLY BE PRODUCED BY A PROFESSIONAL LAND SURVEYOR.

TOWN OF ARLINGTON. MASSACHUSETTS

DEPARTMENT OF PUBLIC WORKS

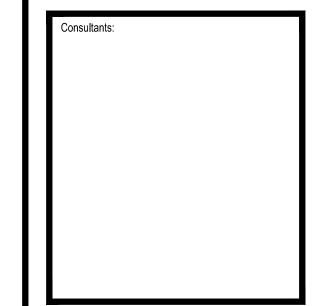


REHABILITATIONS

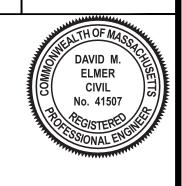
ARLINGTON, MA 02476

51 GROVE STREET

Weston & Sampson Engineers, Inc. 55 Walkers Brook Drive, Suite 100 Reading, MA 01867 978.532.1900 800.SAMPSON www.westonandsampson.com



Revis	ions:	
No.	Date	Description
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PLANS FOR PUBLIC BID AND CONSTRUCTION

NOTED Scale: Date: JULY 2022 JMC Drawn By: PAT Reviewed By: Approved By: DME W&S Project No.: ENG21-1399 W&S File No.:

Drawing Title:

ABBREVIATIONS. NOTES AND LEGEND

REPLACE GRAVITY SEWER SERVICE CONNECTION

BID	ITEM	SUBAREA	MANHOLE	то	то	STREET/LOCATION	PIPE DIA	MATERIAL	APPROXIMATE MH	APPROXIMATE	BUILDING	APPROXIMATE DEPTH
ы	NO.	JUDAREA	IVIAINHOLE	SUBAREA	MANHOLE	3 TREE I/LOCATION	(IN)	IVIATERIAL	TO MH LENGTH (LF)	STATION	CONNECTION	TO INVERT (VF)
BASE	2a. 2b	17	005	17	004	NORFOLK ROAD	8	VC	263	0+87	#71 NORFOLK ROAD	7.5

CUT PROTRUDING SERVICE CONNECTION

BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)	APPROXIMA STATION
BASE	12a	54	306	54	004	WALL STREET	8	VC	191	0+97

INSTALL PRECAST MANHOLE

BID	ITEM NO.	SUBAREA	MANHOLE	STREET/LOCATION	EXISTING STRUCTURE	APPROXIMATE FOOTAGE FROM DOWNSTREAM SEWER MANHOLE (LF)	APPROXIMATE DEPTH TO EXISTING INVERT (VF)
BASE	3a, 3b	54	024	WALL STREET	LAMPHOLE	146	7

- 1. APPROXIMATE EXISTING DEPTH (VF) AND LINEAR FOOTAGE (LF) BASED ON TOWN RECORD DRAWINGS.
- 2. CONTRACTOR SHALL PERFORM TEST PIT TO LOCATE UTILITIES PRIOR TO ORDERING MANHOLE.
- 3. CONTRACTOR TO CONFIRM LOCATION OF EXISTING LAMPHOLE PRIOR TO ORDERING/INSTALLING NEW MANHOLE

REPLACE MANHOLE FRAME AND COVER

BID	ITEM NO.	SUBAREA	MANHOLE	STREET/LOCATION	MATERIAL
BASE	13d	17	003	PLEASANT STREET	BRICK

SCALE: 1"=150'

CEMENTITIOUS LINING OF SEWER MANHOLES

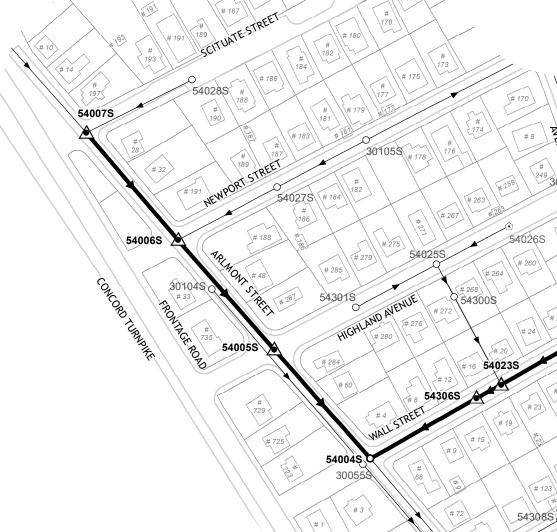
BID	ITEM NO.	SUBAREA	MANHOLE		STREET/LOCATION	MATERIAL	APPROXIMATE MH DEPTH (VF)
BASE	13a	17	003		PLEASANT STREET	BRICK	10
BASE	13a	17	004		NORFOLK ROAD	BRICK	10
BASE	1 3a	17	005		NORFOLK ROAD	BRICK	6
BASE	1 3a	17	006		NORFOLK ROAD	BRICK	6
BASE	1 3a	17	007		NORFOLK ROAD	BRICK	6
BASE	13a	17	030		BRANTWOOD ROAD	BRICK	7
BASE	1 3a	17	031		KENSINGTON PARK	BRICK	6
BASE	1 3a	17	032		KENSINGTON PARK	BRICK	6
BASE	1 3a	17	033		KENSINGTON PARK	BRICK	6
BASE	13a	28	024	Α	SAGAMORE ROAD	BRICK	6
BASE	13a	54	005		ARLMONT STREET	BRICK	7
BASE	13a	54	006		ARLMONT STREET	BRICK	7
BASE	13a	54	007		ARLMONT STREET	BRICK	8
BASE	1 3a	54	023		WALL STREET	BRICK	8
BASE	13a	54	306		WALL STREET	BRICK	9

BUILD MANHOLE BENCH AND INVERT

BASE 13c 28 024 A SAGAMORE ROAD BRICK

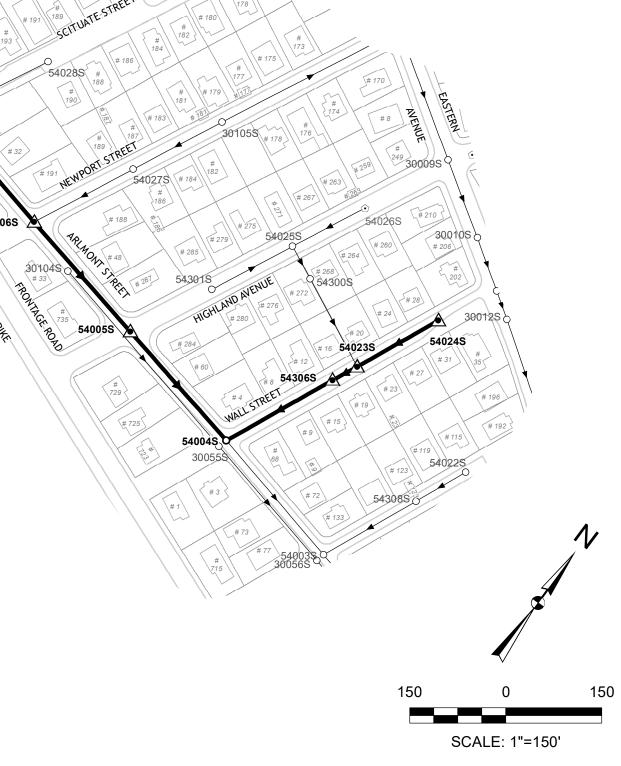
NO. SUBAREA MANHOLE STREET/LOCATION MATERIAL

	MAINLINE CHEMICAL ROOT TREATMENT														
BID	ITEM NO.	SUBAREA	MANHOLE		TO SUBAREA	TO MANHOLE		STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)				
BASE	8a	17	005		17	004		NORFOLK ROAD	8	VC	263				
BASE	8a	17	033		17	004		PLEASANT STREET	8	VC	236				
BASE	8a	54	005		54	004		ARLMONT STREET	8	VC	226				
BASE	8a	54	006		54	005		ARLMONT STREET	8	VC	226				
BASE	8a	54	007		54	006		ARLMONT STREET	8	VC	220				
BASE	8a	54	023		54	024		WALL STREET	8	VC	146				
BASE	8a	54	306		54	004		WALL STREET	8	VC	191				



STRUCTURAL CURED-IN-PLACE PIPE

BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATFRIAL	APPROXIMATE MH TO MH LENGTH (LF)	REINSTATE SERVICE
BASE	11a, 11b	17	007	17	006	NORFOLK ROAD	8	VC	230	0+17, 0+46, 1+04, 1+35, 1+73, 2+03
BASE	11a, 11b	17	031	17	032	BRANTWOOD ROAD	8	VC	234	0+89, 0+91, 1+11, 1+33, 2+08
BASE	11a, 11b	54	023	54	306	WALL STREET	8	VC	44	0+12

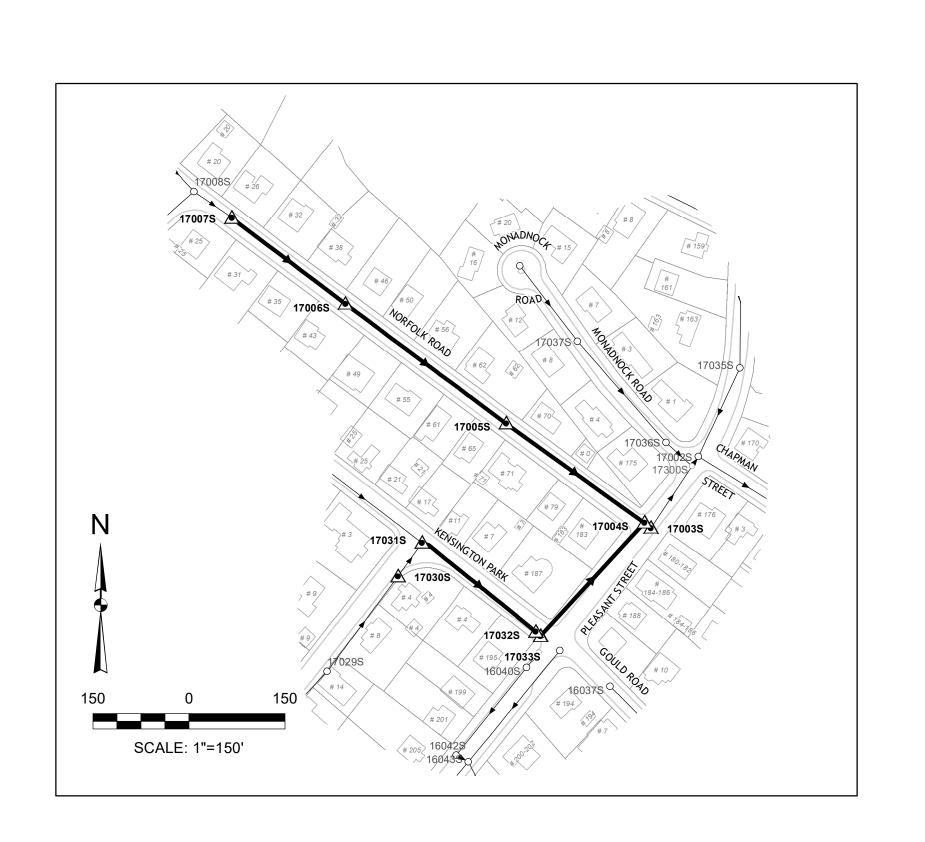


CURED-IN-PLACE PIPE

BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAR	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)	RFINSTATE SERVICE
BASE	10a, 10b	17	004	17	003	PLEASANT STREET	8	VC	13	NONE
BASE	10a, 10b	17	005	17	004	NORFOLK ROAD	8	VC	263	0+87, 1+38, 2+10
BASE	10a, 10b	17	006	17	005	NORFOLK ROAD	8	VC	314	0+40, 0+88, 1+18, 1+80, 1+82, 2+41, 2+43
BASE	10a, 10b	17	032	17	033	BRANTWOOD ROAD	8	VC	19	NONE
BASE	10a, 10b	17	033	17	004	PLEASANT STREET	8	VC	236	0+58
BASE	10a, 10b	54	005	54	004	ARLMONT STREET	8	VC	226	0+53, 0+70, 0+92, 1+37, 1+70
BASE	10a, 10b	54	006	54	005	ARLMONT STREET	8	VC	226	1+03, 1+08, 1+71, 1+96
BASE	10a, 10b	54	007	54	006	ARLMONT STREET	8	VC	220	0+42, 0+85, 1+02
BASE	10a, 10b	54	023	54	024	WALL STREET	8	VC	146	0+08, 0+20, 0+59, 0+87, 0+99, 1+01, 1+46
BASE	10a, 10b	54	306	54	004	WALL STREET	8	VC	191	0+15, 0+36, 0+44, 0+69, 0+97, 1+37

SEWER MANHOLE CHEMICAL ROOT TREATMENT

BID	ITEM NO.	SUBAREA	MANHOLE	STREET/LOCATION	MATERIAL
BASE	8b	17	030	BRANTWOOD ROAD	BRICK



TOWN OF ARLINGTON, MA DEPARTMENT OF PUBLIC WORKS



PHASE #14 SANITARY SEWER REHABILITATIONS

> 51 GROVE STREET ARLINGTON, MASSACHUSETTS

Weston & Sampson Engineers, Inc. 55 Walkers Brook Drive, Suite 100

Reading, MA 01867 978.532.1900 800. www.westonandsampson.com





No. Date Description

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PLANS FOR PUBLIC **BID AND** CONSTRUCTION

NOTED JULY 2022 Drawn By: Reviewed By: Approved By: DME W&S Project No.: ENG21-1399

W&S File No.: 249-8

Drawing Title:

BASE BID PLANS **TABLES**

Sheet Number:

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OPEN CUT POINT REPAIR

	BID ITEM NO.	ITEM NO	CLIBADEA	MANHOLE	то	то	STREET/LOCATION	PIPE	MATERIAL	APPROXIMATE MH	APPROXIMATE	TO APPROXIMATE	REINSTATE	BUILDING CONNECTION	APPROXIMATI
		JUDANEA	IVIAIVIIOLL	SUBAREA	MANHOLE	3TREET/LOCATION	DIA (IN)	WATERIAL	TO MH LENGTH (LF)	STATION	STATION	SERVICE	BOILDING CONNECTION	DEPTH (VF)	
В	ASE	1a	0F	008	0F	002	LOCKELAND AVENUE	8	VC	214	0+00	0+06	NONE		
В	ASE	1a, 2b	0F	011	0F	010	LOCKELAND AVENUE	8	VC	63	0+45	0+63	0+46	#26 LOCKELAND AVENUE	7

GROUT AND PATCH SEWER MANHOLES

BID	ITEM NO.	SUBAREA	MANHOLE	STREET/LOCATION	MATERIAL	APPROXIMA MH DEPTH (V
BASE	13b	0G	003	BAILEY ROAD	LINED	8

MAINLINE CHEMICAL ROOT TREATMENT

BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)
BASE	8a	OF	010	OF	800	LOCKELAND AVENUE	8	VC	266
BASE	8a	OF	013	OF	012	PLYMOUTH STREET	8	VC	135
BASE	8a	OF	013	12	007	PLYMOUTH STREET	8	VC	184
BASE	8a	OF	017	OF	014	TEMPLE STREET	8	VC	67
BASE	8a	OF	018	OF	017	TEMPLE STREET	8	VC	347
BASE	8a	0G	002	0G	001	BAILEY ROAD	8	VC	380

CEMENTITIOUS LINING OF SEWER MANHOLES

BID	ITEM NO.	SUBAREA	MANHOLE	STREET/LOCATION	MATERIAL	APPROXIMATE MH DEPTH (VF)
BASE	13a	OF	002	LOCKELAND AVENUE	BRICK	9
BASE	13a	OF	800	LOCKELAND AVENUE	BRICK	10
BASE	13a	0F	010	LOCKELAND AVENUE	BRICK	8
BASE	13a	0F	011	LOCKELAND AVENUE	BRICK	8
BASE	13a	0F	012	PLYMOUTH STREET	BRICK	7
BASE	13a	0F	013	PLYMOUTH STREET	BRICK	5
BASE	13a	OF	014	LOCKELAND AVENUE	BRICK	7
BASE	13a	0F	017	TEMPLE STREET	BRICK	8
BASE	13a	OF	018	TEMPLE STREET	BRICK	8
BASE	13a	OF	019	TEMPLE STREET	BRICK	8
BASE	13a	0G	001	BAILEY ROAD	BRICK	9
BASE	13a	0G	002	BAILEY ROAD	BRICK	8
BASE	13a	0G	004	GLOUCESTER STREET	BRICK	7
BASE	13a	0G	006	GLOUCESTER STREET	BRICK	7
BASE	13a	0G	007	GLOUCESTER STREET	BRICK	7

SCALE: 1"=150' 0F019S

INSTALL PRECAST MANHOLE

BID	ITEM NO.	SUBAREA	MANHOLE	STREET/LOCATION	EXISTING STRUCTURE	APPROXIMATE FOOTAGE FROM DOWNSTREAM SEWER MANHOLE (LF)	APPROXIMATE DEPTH TO EXISTING INVERT (VF)
BASE	3a, 3b	0G	800	GLOUCESTER STREET	LAMPHOLE	77	7

1. APPROXIMATE EXISTING DEPTH (VF) AND LINEAR FOOTAGE (LF) BASED ON TOWN RECORD DRAWINGS.

- 2. CONTRACTOR SHALL PERFORM TEST PIT TO LOCATE UTILITIES PRIOR TO ORDERING MANHOLE.
- 3. CONTRACTOR TO CONFIRM LOCATION OF EXISTING LAMPHOLE PRIOR TO ORDERING/INSTALLING NEW MANHOLE

CURED-IN-PLACE PIPE

BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)	REINSTATE SERVICE
BASE	10a, 10b	OF	800	OF	002	LOCKELAND AVENUE	8	VC	214	0+54, 1+55
BASE	10a, 10b	OF	010	OF	008	LOCKELAND AVENUE	8	VC	266	0+72, 0+80, 1+49, 1+69, 2+10, 2+13, 2+57
BASE	10a, 10b	OF	011	OF	010	LOCKELAND AVENUE	8	VC	63	NONE
BASE	10a, 10b	OF	012	OF	011	PLYMOUTH STREET	8	VC	55	NONE
BASE	10a, 10b	OF	013	OF	012	PLYMOUTH STREET	8	VC	135	0+33, 0+35
BASE	10a, 10b	OF	013	12	007	PLYMOUTH STREET	8	VC	184	0+15, 0+17, 0+59, 0+65, 1+16
BASE	10a, 10b	OF	014	OF	011	LOCKELAND AVENUE	8	VC	349	0+06, 0+50, 0+50, 1+83, 2+49, 2+84, 3+28
BASE	10a, 10b	OF	017	OF	014	TEMPLE STREET	8	VC	67	NONE
BASE	10a, 10b	OF	018	OF	017	TEMPLE STREET	8	VC	347	0+13, 0+36, 0+83, 1+05, 1+64, 1+75, 1+90, 2+34, 2+34, 2+37, 2+97
BASE	10a, 10b	OF	019	OF	018	TEMPLE STREET	8	VC	70	0+14, 0+59, 0+67
BASE	10a, 10b	0G	001	M4	188	BAILEY ROAD	8	VC	81	0+05
BASE	10a, 10b	0G	002	0G	001	BAILEY ROAD	8	VC	380	0+70, 0+77, 1+26, 1+49, 1+94, 2+25, 2+82, 2+84, 3+15, 3+54, 3+57
BASE	10a, 10b	0G	003	0G	002	BAILEY ROAD	8	VC	252	0+77, 1+01, 1+21, 1+69, 1+90
BASE	10a, 10b	0G	004	0G	003	BAILEY ROAD	8	VC	251	0+97, 1+21, 1+67, 1+97, 2+40
BASE	10a, 10b	0G	006	0G	004	GLOUCESTER STREET	8	VC	76	0+13, 0+34
BASE	10a, 10b	0G	007	0G	006	GLOUCESTER STREET	8	VC	122	0+20, 0+28, 0+75
BASE	10a, 10b	0G	800	0G	007	GLOUCESTER STREET	8	VC	77	0+68

CUT PROTRUDING SERVICE CONNECTION

В	ID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE		STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)	APPROXIMATE STATION
BA	ASE	12a	OF	008	0F	002	L	OCKELAND AVENUE	8	VC	214	0+54
BA	\SE	12a	OF	014	0F	011	L	OCKELAND AVENUE	8	VC	349	1+83
BA	٩SE	12a	OF	018	0F	017		TEMPLE STREET	8	VC	347	1+90
BA	ASE	12a	0G	004	0G	003		BAILEY ROAD	8	VC	251	2+43

TOWN OF ARLINGTON, MA
DEPARTMENT OF PUBLIC WORKS



PHASE #14 SANITARY SEWER REHABILITATIONS

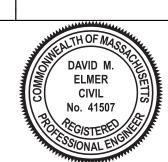
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NOTED JULY 2022 Drawn By: Reviewed By: PAT Approved By: DME

W&S Project No.: ENG21-1399 W&S File No.: 249-7

Drawing Title:

BASE BID PLANS **TABLES**

CLEANING AND INSPECTION OF SEWERS

	1750.4								DIDE DIA		400000//1447544170
	ITEM					ТО	ТО		PIPE DIA		APPROXIMATE MH TO
BID	NO.	STREET/LOCATION		MANHOLE			MANHOLE		(IN)	MATERIAL	MH LENGTH (LF)
BASE	9a	BAKER ROAD	50	054		50	053		8	AC	78
BASE	9a	BAKER ROAD	50	054		50	055		8	AC	209
BASE	9a	BAKER ROAD	50	055		50	056		8	AC	76
BASE	9a	BAKER ROAD	50	057		50	056		8	AC	62
BASE	9a	BAKER ROAD	50	057		50	061		8	AC	209
BASE	9a	STOWECROFT ROAD	50	059		50	059	Α	8	AC	103
BASE	9a	STOWECROFT ROAD	50	059		50	060		8	AC	276
BASE	9a	STOWECROFT ROAD	50	060		50	061		8	AC	329
BASE	9a	STOWECROFT ROAD	50	062		50	061		8	AC	127
BASE	9a	SORENSON COURT	50	062		50	063		8	AC	168
BASE	9a	STOWECROFT ROAD	50	062		50	064		8	AC	192
BASE	9a	STOWECROFT ROAD	50	064		50	064	Α	8	AC	126
BASE	9a	STOWECROFT ROAD	50	064	Α	50	065		8	AC	123
BASE	9a	CUTTER HILL ROAD	50	079		50	078		8	VC	69
BASE	9a	CUTTER HILL ROAD	50	079		50	080		8	VC	206
BASE	9a	CROSBY STREET	50	082		50	067		8	VC	190
BASE	9a	CROSBY STREET	50	082		50	083		8	VC	54
BASE	9a	STOWECROFT ROAD	50	084		50	089		8	VC	60
BASE	9a	RIDGE STREET	50	085		50	084		8	VC	40
BASE	9a	RIDGE STREET	50	085		50	086		8	VC	45
BASE	9a	EDGEHILL ROAD	50	085		50	087		8	VC	110
BASE	9a	EDGEHILL ROAD	50	087		50	088		8	VC	174
BASE	9a	STOWECROFT ROAD	50	089		50	090		8	VC	132
BASE	9a	STOWECROFT ROAD	50	090		50	066		8	VC	205
BASE	9a	MYSTIC STREET	50	091		50	092		8	VC	196
BASE	9a	KIMBALL ROAD	50	091		50	097		12	VC	117
BASE	9a	MYSTIC STREET	50	092		50	093		8	VC	154
BASE	9a	MYSTIC STREET	50	094		50	095		8	VC	91
BASE	9a	MYSTIC STREET	50	096		50	095		8	VC	109
BASE	9a	MYSTIC STREET	50	097		50	096		8	VC	192
BASE	9a	MYSTIC STREET	50	097		50	098		6	PVC	125
BASE	9a	KIMBALL ROAD	50	097		50	099		10	VC	63

FLOW ISOLATION OF SEWERS

	FLOW ISOLATION OF SEWERS												
	ITEM					то	TO		PIPE DIA		APPROXIMATE MH TO		
BID	NO.	STREET/LOCATION	SUBAREA	MANHOLE		SUBAREA	MANHOLE		(IN)	MATERIAL	MH LENGTH (LF)		
BASE	14a	BAKER ROAD	50	054		50	053		8	AC	78		
BASE	14a	BAKER ROAD	50	054		50	055		8	AC	209		
BASE	14a	BAKER ROAD	50	055		50	056		8	AC	76		
BASE	14a	BAKER ROAD	50	057		50	056		8	AC	62		
BASE	14a	BAKER ROAD	50	057		50	061		8	AC	209		
BASE	14a	STOWECROFT ROAD	50	059		50	059	Α	8	AC	103		
BASE	14a	STOWECROFT ROAD	50	059		50	060		8	AC	276		
BASE	14a	STOWECROFT ROAD	50	060		50	061		8	AC	329		
BASE	14a	STOWECROFT ROAD	50	062		50	061		8	AC	127		
BASE	14a	SORENSON COURT	50	062		50	063		8	AC	168		
BASE	14a	STOWECROFT ROAD	50	062		50	064		8	AC	192		
BASE	14a	STOWECROFT ROAD	50	064		50	064	Α	8	AC	126		
BASE	14a	STOWECROFT ROAD	50	064	Α	50	065		8	AC	123		
BASE	14a	CUTTER HILL ROAD	50	079		50	078		8	VC	69		
BASE	14a	CUTTER HILL ROAD	50	079		50	080		8	VC	206		
BASE	14a	CROSBY STREET	50	082		50	067		8	VC	190		
BASE	14a	CROSBY STREET	50	082		50	083		8	VC	54		
BASE	14a	STOWECROFT ROAD	50	084		50	089		8	VC	60		
BASE	14a	RIDGE STREET	50	085		50	084		8	VC	40		
BASE	14a	RIDGE STREET	50	085		50	086		8	VC	45		
BASE	14a	EDGEHILL ROAD	50	085		50	087		8	VC	110		
BASE	14a	EDGEHILL ROAD	50	087		50	088		8	VC	174		
BASE	14a	STOWECROFT ROAD	50	089		50	090		8	VC	132		
BASE	14a	STOWECROFT ROAD	50	090		50	066		8	VC	205		
BASE	14a	MYSTIC STREET	50	091		50	092		8	VC	196		
BASE	14a	KIMBALL ROAD	50	091		50	097		12	VC	117		
BASE	14a	MYSTIC STREET	50	092		50	093		8	VC	154		
BASE	14a	MYSTIC STREET	50	094		50	095		8	VC	91		
BASE	14a	MYSTIC STREET	50	096		50	095		8	VC	109		
BASE	14a	MYSTIC STREET	50	097		50	096		8	VC	192		
BASE	14a	MYSTIC STREET	50	097		50	098		6	PVC	125		
BASE	14a	KIMBALL ROAD	50	097		50	099		10	VC	63		



TOWN OF ARLINGTON, MA
DEPARTMENT OF PUBLIC WORKS



PHASE #14 SANITARY SEWER REHABILITATIONS

51 GROVE STREET ARLINGTON, MASSACHUSETTS

Weston & Sampson

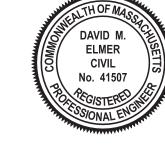
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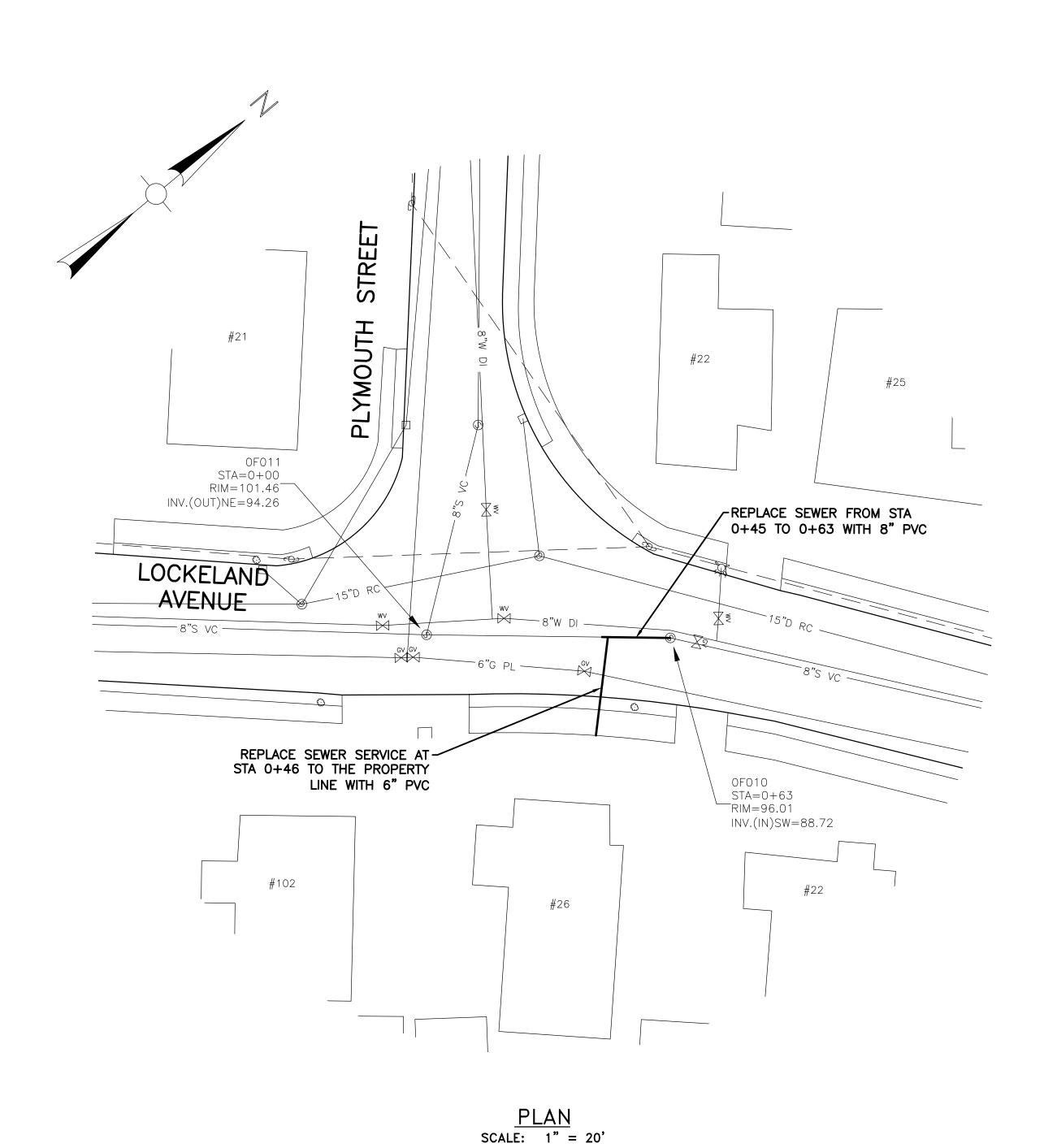
W&S File No.: 249-6

Drawing Title:

BASE BID PLANS AND TABLES

Sheet Number:

2-3



APPROXIMATE EXISTING GRADE REPLACE SEWER SERVICE AT STA 0+46 TO THE PROPERTY LINE WITH 6" PVC REPLACE SEWER FROM STA 0+45 TO 0+63 WITH 8" PVC 80 L 0+00 80 1+00

PROFILE
SCALE: 1"=20' HORIZ
1"=2' VERT

LOCKELAND AVENUE

20 10 0 20 2 1 0 2 HORIZONTAL SCALE: 1"=20' VERTICAL SCALE: 1"=2' TOWN OF ARLINGTON, MASSACHUSETTS

DEPARTMENT OF PUBLIC WORKS

PHASE #14 SANITARY SEWER

51 GROVE STREET ARLINGTON, MA 02476

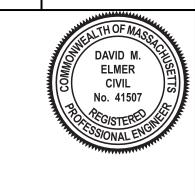
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Approved By:	DME
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W&S File No.:	249-5

RASE RID

BASE BID PLAN AND PROFILE LOCKELAND AVENUE

Sheet Number:

C-4

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CURED-IN-PLACE PIPE

BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBARE	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)	REINSTATE SERVICE
ALT. 1	18a, 18b	Ol	002	OJ	002	NEWMAN WAY	8	VC	201	NONE
ALT. 1	18a, 18b	Ol	003	Ol	002	NEWMAN WAY	8	VC	332	0+68, 1+90, 2+19, 2+50, 2+97
ALT. 1	18a, 18b	Ol	005	Ol	003	WILDWOOD AVENUE	8	VC	141	0+25, 0+59, 0+93, 1+29
ALT. 1	18a, 18b	41	003	41	002	RIDGE STREET	8	VC	192	1+24, 1+40
ALT. 1	18a, 18b	41	003	41	004	CHEROKEE ROAD	8	VC	245	1+13, 1+21, 1+39, 2+00
ALT. 1	18a, 18b	41	004	41	007	CHEROKEE ROAD	8	VC	184	0+36, 0+42, 0+65, 1+00, 1+12, 1+76
ALT. 1	18a, 18b	41	007	41	008	CHEROKEE ROAD	8	VC	134	0+71, 0+86, 0+89, 1+13
ALT. 1	18a, 18b	41	009	41	008	CHEROKEE ROAD	8	VC	259	NONE
ALT. 1	18a, 18b	41	009	41	010	OLD MIDDLESEX PATH	8	VC	129	0+46, 0+68, 0+89
AIT 1	18a 18h	41	010	41	011	OLD MIDDLESEX PATH	8	VC	154	0+18 0+20 0+36 0+81 0+89 1+00 1+50

MAINLINE CHEMICAL ROOT TREATMENT

BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE		STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE ME TO MH LENGTH (LF)
ALT 1	17a	01	002	OJ	002		NEWMAN WAY	8	VC	201
ALT 1	17a	01	003	OI	002		NEWMAN WAY	8	VC	332
ALT 1	17a	OI	005	01	003		WILDWOOD AVENUE	8	VC	141

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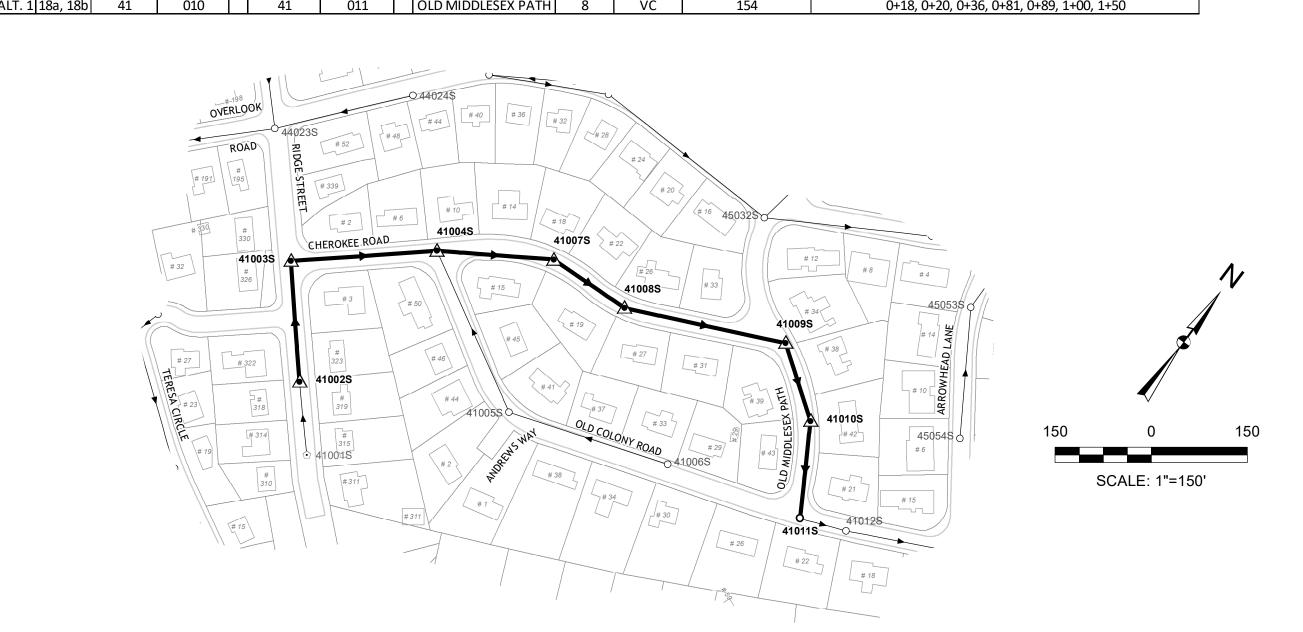
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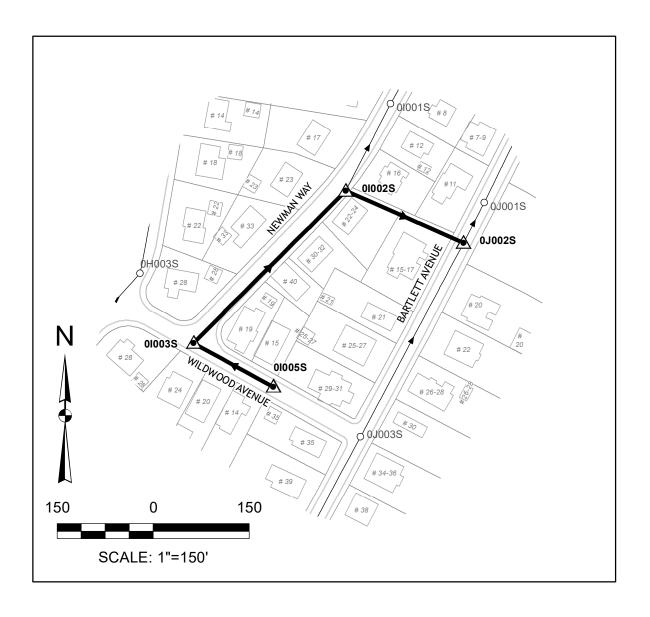
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ALTERNATE BID NO 1 AND ALTERNATE BID NO 2 PLANS AND TABLES

Sheet Number:





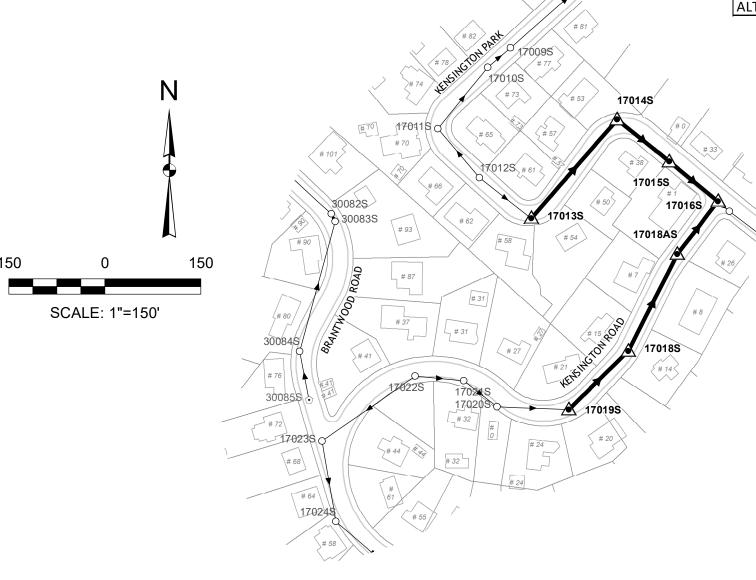
CEMENTITIOUS LINING OF SEWER MANHOLES

	CEMENTITIOUS LINING OF SEWER MANHOLES											
BID	ITEM NO.	SUBAREA	MANHOLE		STREET/LOCATION	MATERIAL	APPROXIMATE MH DEPTH (VF)					
ALT 1	19a	OI	002		NEWMAN WAY	BRICK	6					
ALT 1	19a	OI	003		WILDWOOD AVENUE	BRICK	7					
ALT 1	19a	OI	005		WILDWOOD AVENUE	BRICK	7					
ALT 1	19a	OJ	002		BARTLETT AVENUE	BRICK	10					
ALT 1	19a	41	002		RIDGE STREET	BRICK	8					
ALT 1	1 9a	41	003		RIDGE STREET	BRICK	7					
ALT 1	19a	41	004		CHEROKEE ROAD	BRICK	9					
ALT 1	1 9a	41	007		CHEROKEE ROAD	BRICK	7					
ALT 1	19a	41	800		CHEROKEE ROAD	BRICK	7					
ALT 1	19a	41	009		OLD MIDDLESEX PATH	BRICK	7					
ALT 1	19a	41	010		OLD MIDDLESEX PATH	BRICK	7					

ALTERNATE BID NO. 1

CUT PROTRUDING SERVICE CONNECTION

	BID	ITEM NO.	SUBAREA	MANHOLE	sı	TO UBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)	APPROXIMATE STATION
1	ALT. 2	25a	17	019		17	018	KENSINGTON ROAD	8	VC	106	0+37



BID	ITEM NO.	SUBAREA	MANHOLE		TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	IMATERIAL	APPROXIMATE MH TO MH LENGTH (LF)	REINSTATE SERVICE
ALT. 2	23a, 23b	17	013		17	014	KENSINGTON PARK	8	VC	211	NONE
ALT. 2	23a, 23b	17	015		17	014	KENSINGTON PARK	8	VC	106	0+20, 0+28, 0+31, 0+91
ALT. 2	23a, 23b	17	016		17	015	KENSINGTON PARK	8	VC	103	0+53
ALT. 2	23a, 23b	17	018	Α	17	016	KENSINGTON ROAD	8	VC	94	0+70, 0+90
ALT. 2	23a, 23b	17	019		17	018	KENSINGTON ROAD	8	VC	106	0+25, 0+37, 1+00

CURED-IN-PLACE PIPE

MAINLINE CHEMICAL ROOT TREATMENT

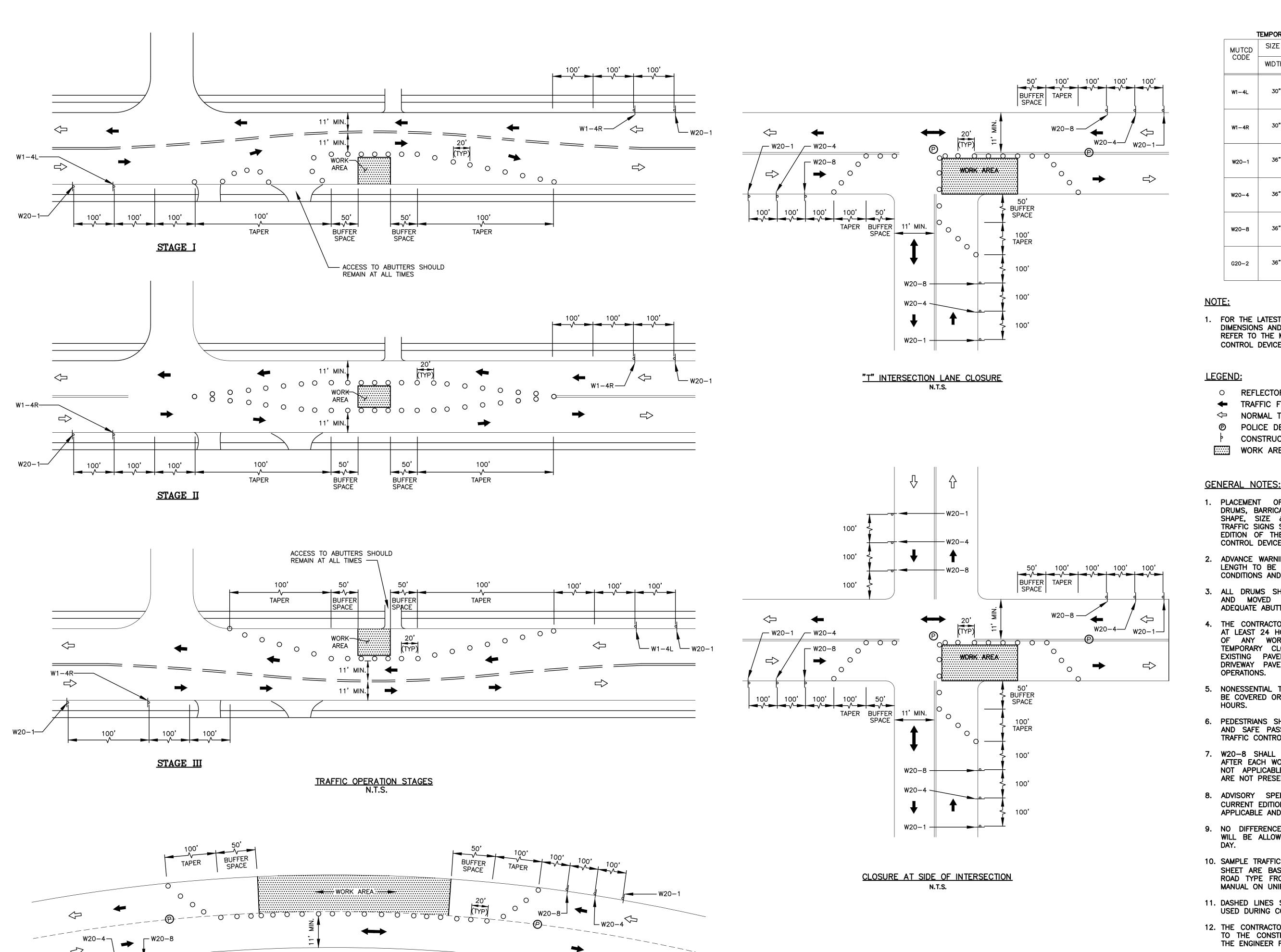
BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)		APPROXIMATE MH TO MH LENGTH (LF)
ALT 2	22a	17	015	17	014	KENSINGTON PARK	8	VC	106

CEMENTITIOUS LINING OF SEWER MANHOLES

BID	NO.	SUBAREA	MANHOLE		STREET/LOCATION	MATERIAL	APPROXIMATE MH DEPTH (VF)
ALT 2	26a	17	013		KENSINGTON PARK	BRICK	6
ALT 2	26a	17	014		KENSINGTON PARK	BRICK	7
ALT 2	26a	17	015		KENSINGTON PARK	BRICK	6
ALT 2	26a	17	016		KENSINGTON PARK	BRICK	7
ALT 2	26a	17	018		KENSINGTON ROAD	BRICK	7
ALT 2	26a	17	018	Α	KENSINGTON ROAD	BRICK	8
ALT 2	26a	17	019		KENSINGTON ROAD	BRICK	7
	•	-					·

STRUCTURAL CURED-IN-PLACE PIPE

	BID	ITEM NO.	SUBAREA	MANHOLE	SL	TO UBAREA	TO MANHOLE		STREET/LOCATION	PIPE DIA (IN)	MATFRIAL	APPROXIMATE MH TO MH LENGTH (LF)	REINSTATE SERVICE
1	ALT 2	24a	17	018		17	018	Α	KENSINGTON ROAD	8	VC	155	NONE



TYPICAL TEMPORARY DAYTIME LANE CLOSURE - THROUGH ROADWAY

(ONE LANE- BI-DIRECTIONAL) N.T.S.

TEMPORARY TRAFFIC SIGN SUMMARY CODE WIDTH | HEIGHT 30**"** W20-1 W20-4 36" W20-8 END CONSTRUCTION 36" G20-2

NOTE:

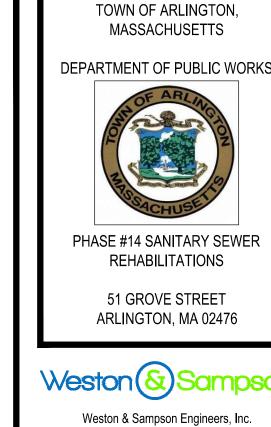
1. FOR THE LATEST SPECIFICATION ON TEXT DIMENSIONS AND COLOR, CONTRACTOR SHALL REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).

LEGEND:

- REFLECTORIZED DRUM
- TRAFFIC FLOW DURING CONSTRUCTION
- NORMAL TRAFFIC FLOW
- POLICE DETAIL OFFICER
- CONSTRUCTION SIGN

WORK AREA

- 1. PLACEMENT OF ALL CONSTRUCTION SIGNS, DRUMS, BARRICADES, TRAFFIC DEVICES AND THE SHAPE, SIZE & COLOR OF ALL TEMPORARY TRAFFIC SIGNS SHALL CONFORM WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- 2. ADVANCE WARNING SIGN PLACEMENT AND TAPER LENGTH TO BE ADJUSTED ACCORDING TO STREET CONDITIONS AND DRIVEWAY OPENINGS.
- 3. ALL DRUMS SHALL BE APPROXIMATELY PLACED AND MOVED AS NECESSARY TO MAINTAIN ADEQUATE ABUTTER ACCESS AT ALL TIMES.
- 4. THE CONTRACTOR SHALL NOTIFY EACH ABUTTER AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT AND SIMILAR OPERATIONS.
- 5. NONESSENTIAL TRAFFIC CONTROL DEVICES SHALL BE COVERED OR REMOVED DURING NON-WORKING HOURS.
- 6. PEDESTRIANS SHALL BE PROVIDED WITH ACCESS AND SAFE PASSAGE THROUGH THE TEMPORARY TRAFFIC CONTROL ZONE AT ALL TIMES.
- 7. W20-8 SHALL BE TAKEN DOWN OR COVERED AFTER EACH WORKING DAY OR WHEN OTHERWISE NOT APPLICABLE, OR WHEN POLICE OFFICERS ARE NOT PRESENT TO DIRECT TRAFFIC.
- 8. ADVISORY SPEED PLATES (W13-1 SEE CURRENT EDITION OF MUTCD) SHALL BE USED IF APPLICABLE AND AS REQUIRED BY THE ENGINEER.
- 9. NO DIFFERENCE IN ROADWAY LANE ELEVATION WILL BE ALLOWED AT THE END OF THE WORK
- 10. SAMPLE TRAFFIC PLANS INCLUDED ON THIS PLAN SHEET ARE BASED ON AN URBAN (LOW SPEED) ROAD TYPE FROM THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- 11. DASHED LINES SHOW LANE DESIGNATIONS TO BE USED DURING CONSTRUCTION.
- 12. THE CONTRACTOR SHALL SUBMIT ANY REVISIONS TO THE CONSTRUCTION ZONE SAFETY PLAN TO THE ENGINEER FOR APPROVAL.
- 13. THIS CONSTRUCTION ZONE SAFETY PLAN SHALL NOT RELIEVE THE CONTRACTOR OF HIS SOLE RESPONSIBILITY FOR CONSTRUCTION SITE SAFETY.



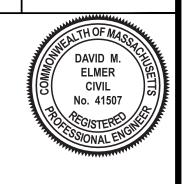
Weston & Sampson Engineers, Inc. 55 Walkers Brook Drive, Suite 100

978.532.1900 800.SAMPSON www.westonandsampson.com

Reading, MA 01867

Consultants:

No. Date Description



Issued For:

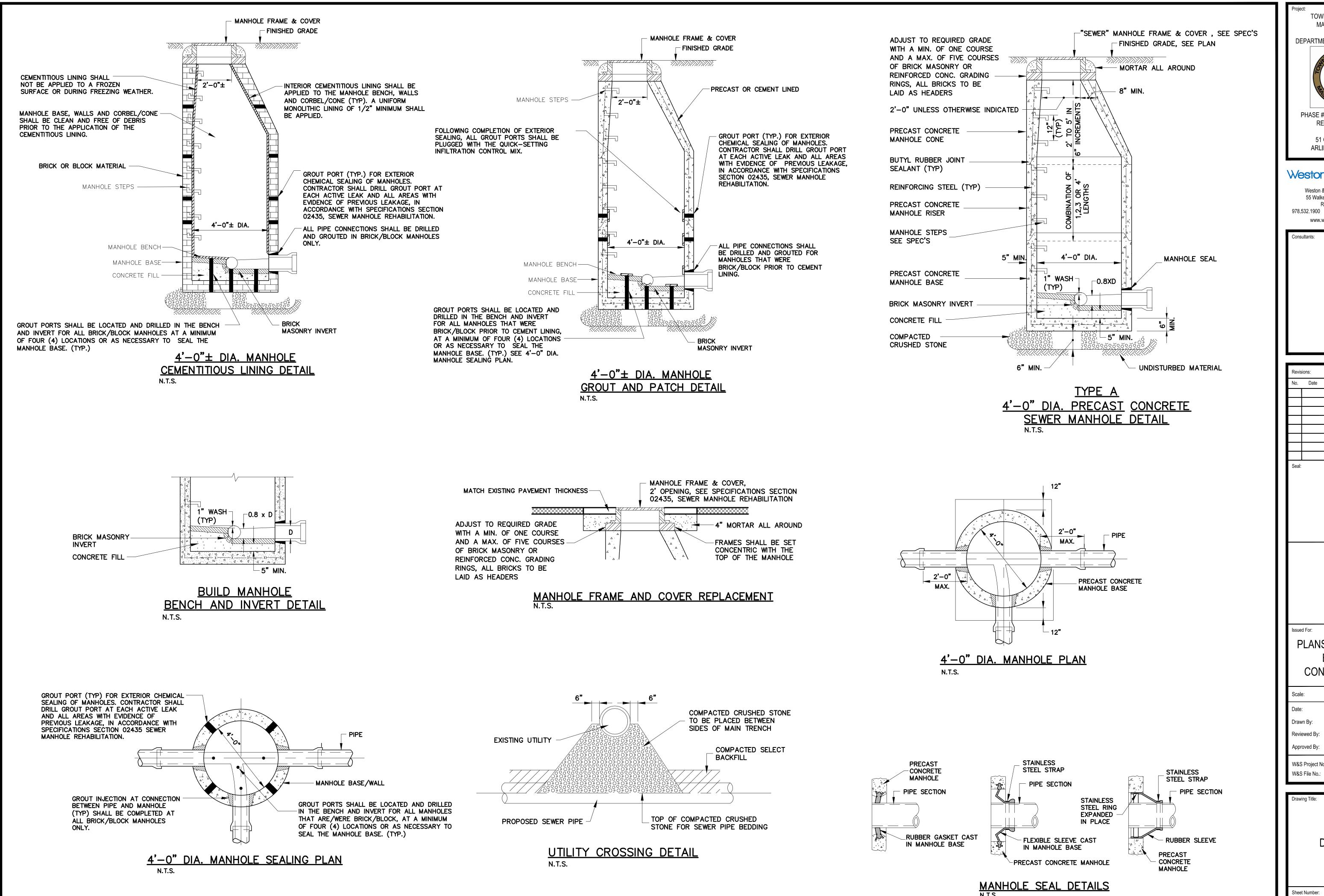
PLANS FOR PUBLIC **BID AND** CONSTRUCTION

Scale: NOTED JULY 2022 JMC Drawn By: Reviewed By: Approved By: W&S Project No.: ENG21-1399

Drawing Title:

W&S File No.:

CONSTRUCTION **ZONE SAFETY PLAN**



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DEPARTMENT OF PUBLIC WORKS

PHASE #14 SANITARY SEWER REHABILITATIONS

51 GROVE STREET

ARLINGTON, MA 02476

TOWN OF ARLINGTON,

MASSACHUSETTS

Weston & Sampson Engineers, Inc. 55 Walkers Brook Drive, Suite 100 Reading, MA 01867 978.532.1900 800.SAMPSON

www.westonandsampson.com Consultants:

No. Date Description DAVID M.

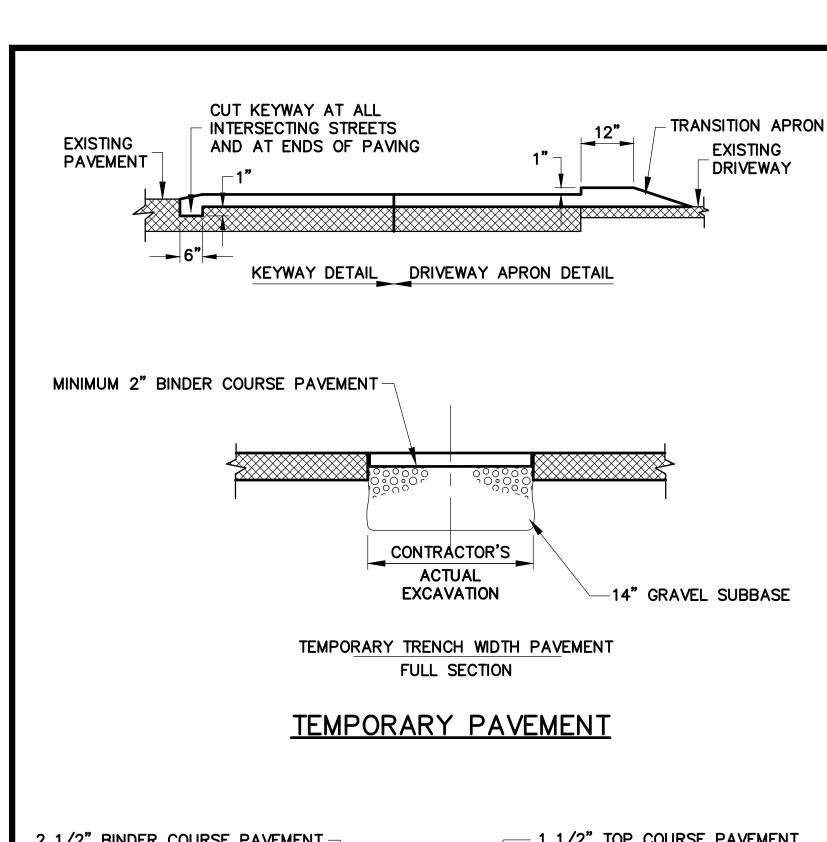
ELMER

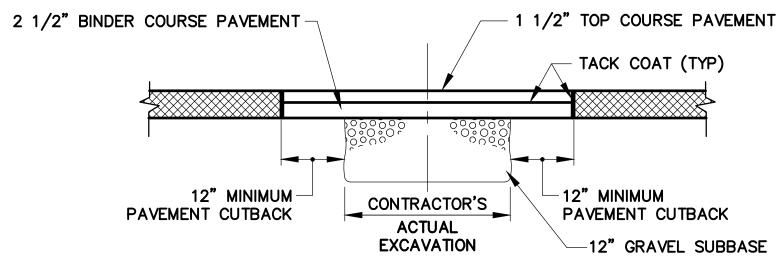
CIVIL

PLANS FOR PUBLIC **BID AND** CONSTRUCTION

NOTED JULY 2022 JMC Reviewed By: Approved By: W&S Project No.: ENG21-1399

Drawing Title: **DETAILS I**

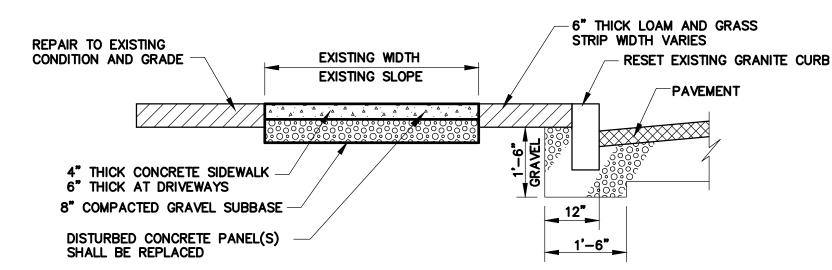




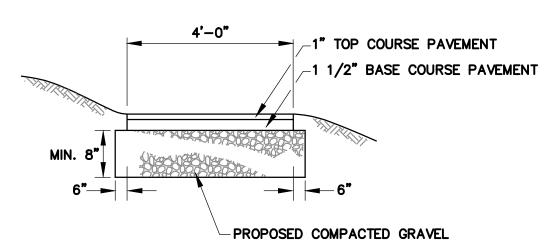
TRENCH WIDTH PAVEMENT FULL SECTION

PERMANENT PAVEMENT

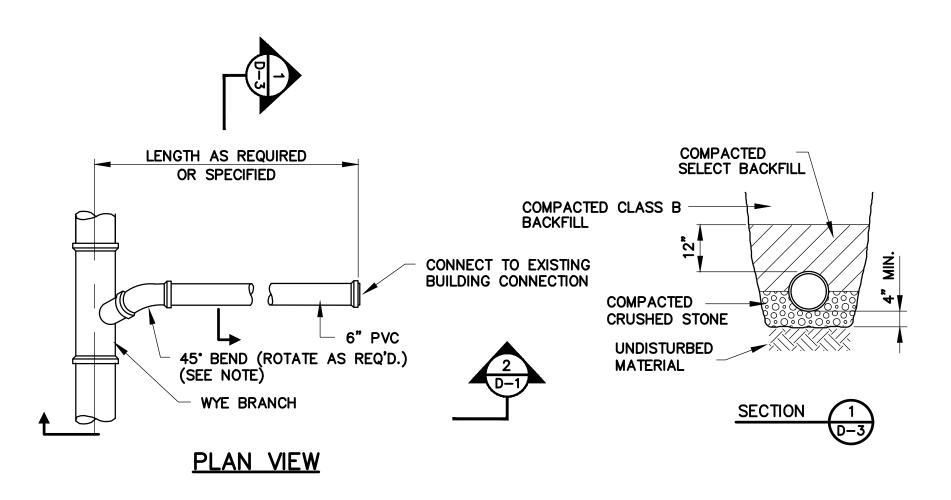
PAVEMENT REPLACEMENT DETAILS

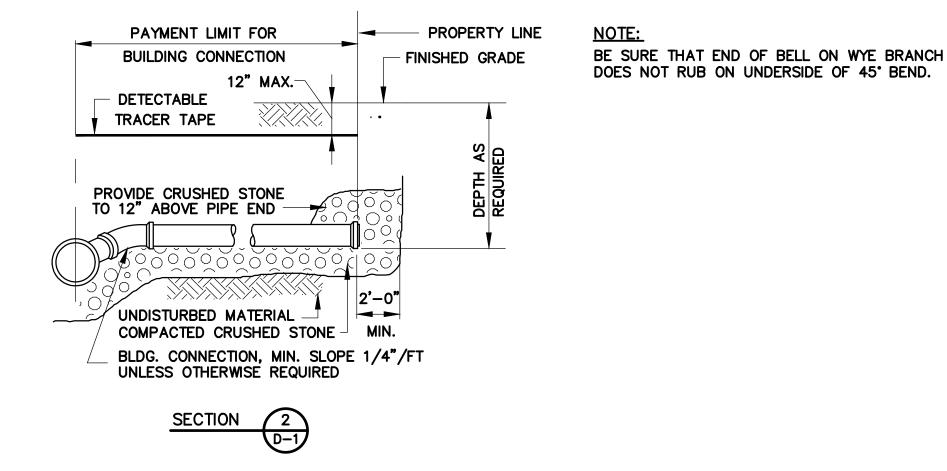


TYPICAL SECTION THROUGH
CONCRETE SIDEWALK
N.T.S.

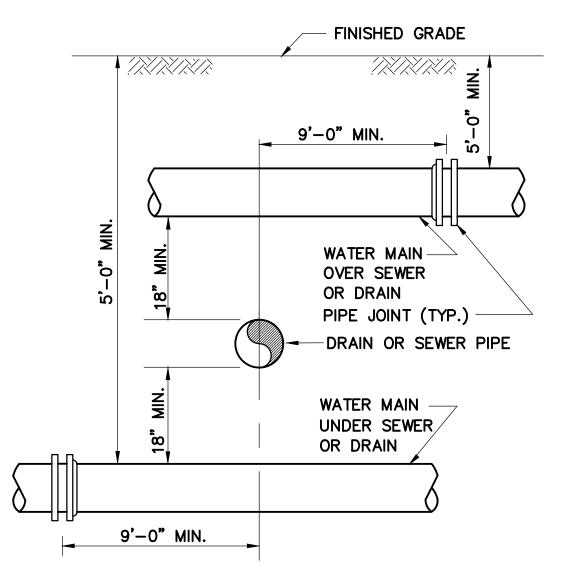


HOT MIX ASPHALT WALKWAY DETAIL N.T.S.

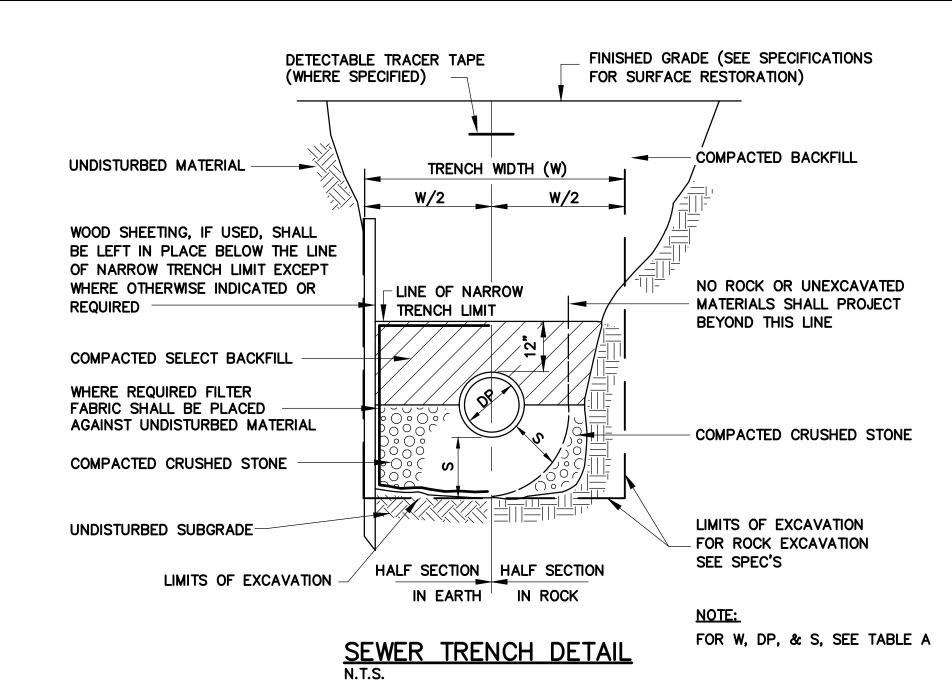




TYPICAL BUILDING CONNECTION DETAIL
N.T.S

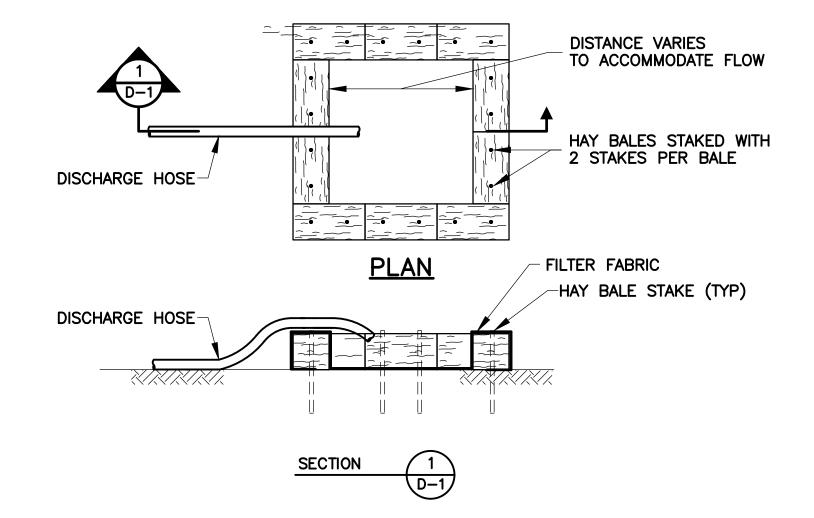


SEWER OR DRAIN CROSSING DETAIL N.T.S.

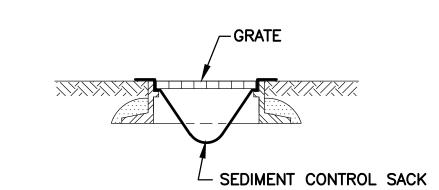


DEPTH TO INVERT	DIAMETER OF PIPE	MAXIMUM TRENCH WIDTH BELOW LINE OF NARROW TRENCH LIMIT (SHEETED OR UNSHEETED)	CLEARANCE
	(DP)	(W)	(S)
0-12'	TO 18"	5'	6"
0-12'	21"-24"	5'	7-1/2"
OVER 12'	TO 18"	7'	6"
OVER 12'	21"-24"	7'	7-1/2"

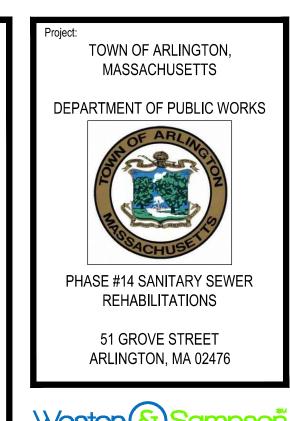
TABLE A



DEWATERING DISCHARGE DISPOSAL DETAIL



CATCH BASIN PROTECTION DETAIL



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Consultants:

Revisions:

No. Date Description

DAVID M.
ELMER
CIVIL
No. 41507
PEGISTERE

PLANS FOR PUBLIC
BID AND

CONSTRUCTION

Scale: NOTED

Date: JULY 2022

Drawn By: JMC

Reviewed By: PAT

Approved By: DME

W&S Project No.: ENG21-1399

W&S File No.: 249-1

Drawing Title:

DETAILS II

Sheet Number:

D-2